

# INDUSTRIAL MEDIUM VOLTAGE CABLES

## ARE4HIRX

Three-cores, overall copper wires + tape screen 12/20 kV up to 18/30 kV



### Construction:

<b>Conductor:</b>	stranded plain aluminium conductor Cl.2, acc. to IEC 60228
<b>Insulation:</b>	XLPE compound
<b>Inner semi-conductive layer:</b>	extruded compound
<b>Outer semi-conductive layer:</b>	extruded compound
<b>Screen:</b>	red copper wires and one or two copper tape(s) applied helically
<b>Outer sheath:</b>	red(RAL 3000),PVC type RZ

### Resistance:



**Self-extinguishing and flame retardant acc. to:**  
DIN VDE 0482 part 265-2-1  
EN 50265-2-1  
IEC 60332-1

### Technical data:

<b>Nominal voltage:</b>	12/20 kV up to 18/30 kV
<b>Test voltage:</b>	12/20 kV = 29 kV 18/30 kV = 43 kV
<b>Temperature range:</b>	0 °C / + 90 °C
<b>Max short circuit temperature:</b>	+ 250 °C
<b>Min. bending radius:</b>	20 x d
<b>Max. tensile stress:</b>	60 N/mm <sup>2</sup>

### Features:

according to IEC 60502-2

### 12/20 kV

Part no.	No.of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48130URL030M64	3 x 1 x 35	56,1	1930	2
48130URL030M65	3 x 1 x 50	58,8	2140	1
48130URL030M66	3 x 1 x 70	62,6	2490	2/0
48130URL030M67	3 x 1 x 95	66,3	2860	3/0
48130URL030M68	3 x 1 x 120	70,2	3260	4/0
48130URL030M69	3 x 1 x 150	72,7	3560	250 MCM
48130URL030M70	3 x 1 x 185	77,7	4100	350 MCM
48130URL030M71	3 x 1 x 240	82,6	4830	450 MCM
48130URL030M72	3 x 1 x 300	89,9	5720	550 MCM

### 18/30 kV

Part no.	No.of cores x cross section n x mm <sup>2</sup>	Outer-Ø ca.mm ± 10%	Cable weight approx. kg/km	AWG no.)*
48130XRL030M65	3 x 1 x 50	70,3	2900	1
48130XRL030M66	3 x 1 x 70	73,6	3250	2/0
48130XRL030M67	3 x 1 x 95	77,8	3700	3/0
48130XRL030M68	3 x 1 x 120	81,3	4090	4/0
48130XRL030M69	3 x 1 x 150	84,3	4490	250 MCM
48130XRL030M70	3 x 1 x 185	88,3	5020	350 MCM
48130XRL030M71	3 x 1 x 240	94,1	5840	450 MCM
48130XRL030M72	3 x 1 x 300	101,3	6830	550 MCM

Other dimensions and colours available on request.